

## 卵叶牡丹——芍药属一新种\*

裴颜龙\*\* 洪德元

(中国科学院植物研究所系统与进化植物学开放研究实验室, 北京 100093)

## PAEONIA QIUI——A NEW WOODY SPECIES OF PAEONIA FROM HUBEI, CHINA

Pei Yan-long Hong De-yuan

(Laboratory of Systematic and Evolutionary Botany, Institute of Botany, Chinese Academy of Sciences, Beijing, 100093)

**Key words** *Paeonia; P. qiu*

**关键词** 芍药属; 卵叶牡丹

### 卵叶牡丹 新种 图 1

*Paeonia qiu* Y. L. Pei et Hong, sp. nov. Fig. 1

Species nova *P. suffruticosae* subsp. *spontaneae* affinis, a qua differt foliolis ovatis vel ovato-rotundatis, saepe integris, eo terminali trifido vel dentato.

Frutex deciduus, usque ad 60—80 cm altus, cortice brunneo-griseo et longitudinaliter striato, basi surculo praeditus. Folia biternata; foliola 9, supra purpureo-rubra, subtus leviter viridia, ovata vel ovato-rotundata, 6.5—8.2 cm longa, 5.0—6.5 cm lata, apice obtuso-acuta, basi rotundata, margine saepe integra, foliolum terminale interdum trifidum. Flos terminalis, singulus, 8—12 cm diam.; petala 5—9, subrosea vel rosea, 3.5—5.5 cm longa, 2.0—3.1 cm lata, patentia; filamenta subrosea vel rosea; antherae flavae; discus atro-purpureus, coriaceus, totas carpellas cingens; carpella 5, dense albo- vel luteolo-puberula. Folliculi 5, 1.4—1.8 cm longi, 0.4—0.8 cm lati, fusiformes, dense aureo-hirti; semina ovoidea, 0.6—0.8 cm longa, 0.5—0.7 cm lata, nigra, nitida. Floret Aprile—Majo. Fructificat Julio—Augusto.

Hubei (湖北): Shennongjia (神农架), Sunbai Town (松柏镇), alt. 1650—2010 m,

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\*\* 现在通讯地址: 中国农业科学院作物研究所, 北京白石桥路, 100081。

Present address: Crop Institute, Chinese Academy of Agricultural Sciences, Baishiqiao Road, Beijing 100081.

To whom correspondent should be addressed.

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on steep precipice and overhanging rocks, 1988-04-25, Qiu Jun-zhuan (邱均专) PB88034 (holotype, PE), PB88021, PB88022, PB88023, PB88018, PB88025, PB88026; the same locality. 1991-05-04, Pei Yan-long (裴彦龙) 911001, 911002, 911003.

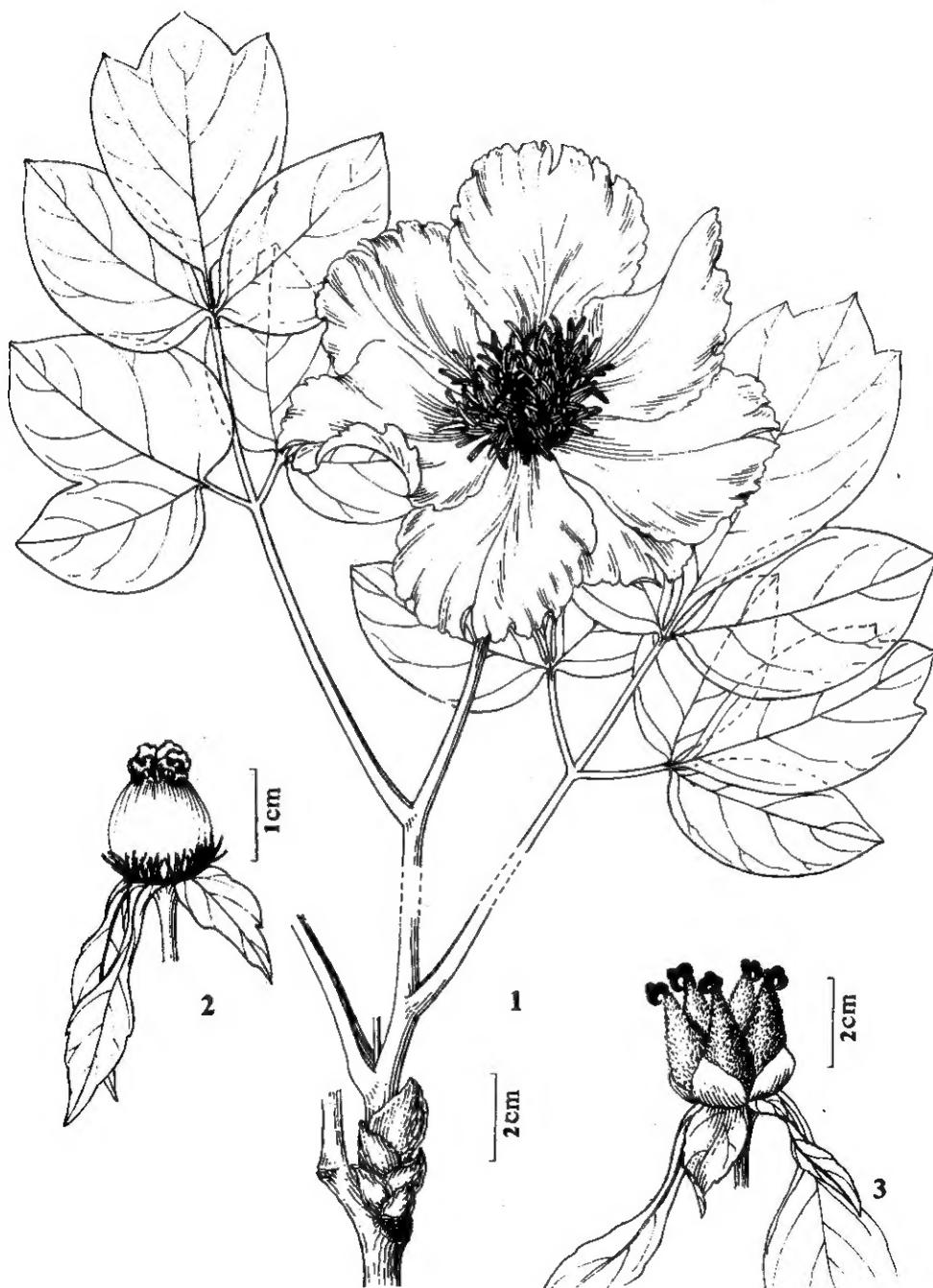


图 1 卵叶牡丹 1. 花枝; 2. 花盘; 3. 蒴果.  
Fig. 1 *Paeonia quia* Y. L. Pei et Hong 1. Flower branch; 2. Disk; 3. Follicle

落叶灌木, 高 60—80 cm, 枝皮褐灰色, 有纵纹, 具根出条。二回三出复叶, 长 20—31 cm, 宽 13—22 cm, 叶柄长 8.5—15.5 cm, 小叶 9 片, 表面多为紫红色, 背面浅绿色, 多为卵形或卵圆形, 长 6.5—8.2 cm, 宽 5.0—6.5 cm, 先端钝尖, 基部圆形, 多全缘, 仅顶生小叶有时 2 浅裂或具齿。花单生枝顶, 直径 8—12 cm; 花瓣 5—9 枚, 粉色或粉红色, 长 3.5—5.5 cm, 宽 2.0—3.1 cm, 平展; 雄蕊 80—120 个, 花丝粉色或粉红色, 花药黄色; 花柱极短; 柱头扁平, 反卷成耳状, 多紫红色, 旋转程度 90°—360°, 旋转方向顺时针和逆时针各半; 花盘暗紫红色, 革质, 全包心皮; 心皮 5, 密被白色或浅黄色柔毛; 蒴果 5, 纺锤形, 长 1.4—1.8 cm, 宽 0.4—0.8 cm, 密被金黄色硬毛。种子卵圆形, 长 0.6—0.8 cm, 宽 0.5—0.7 cm, 黑色而有光泽。花期 4 月下旬至 5 月上旬; 果期 7—8 月。

本种与牡丹 *P. suffruticosa* Andr. subsp. *spontanea* 相近, 两者均具严格的二回三出复叶, 小叶数目均为 9, 但本新种小叶片卵形或卵圆形, 上面多为紫红色, 通常全缘, 仅顶生小叶浅裂或具齿而可与后者区别。

Among the wild woody *Paeonia* species (Sect. *Moutan* DC) only two species, this new one and *P. suffruticosa* subsp. *spontanea*, have leaves strictly biennial, with nine leaflets. The new species differs from *P. suffruticosa* subsp. *spontanea* in having leaflets ovate or o-vate-rounded, mostly entire, with only the terminal ones shallowly lobed or toothed, and purple-red on the upper surface. Only one population has so far been found on the cliff in the Shennongjia Mountains at an altitude of 1650—2010 m. Certainly it is an endangered species.